



Packet No. 645-143

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT OPERATION

Applicants:)
Hiroyuki Minamikawa et al.) Examiner: Karl Group
Serial Number: 09/841,614)
Filing Date: April 24, 2001)

Title: LOW EXPANSION TRANSPARENT GLASS-CERAMICS, GLASS-CERAMIC SUBSTRATE AND OPTICAL WAVEGUIDE ELEMENT

New York, NY 10036
December 24, 2003

Mail Stop Non-Fee Amendments
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

This Amendment is being filed in response to the Office Action that was mailed June 25, 2003. Kindly amend the above identified application as follows: